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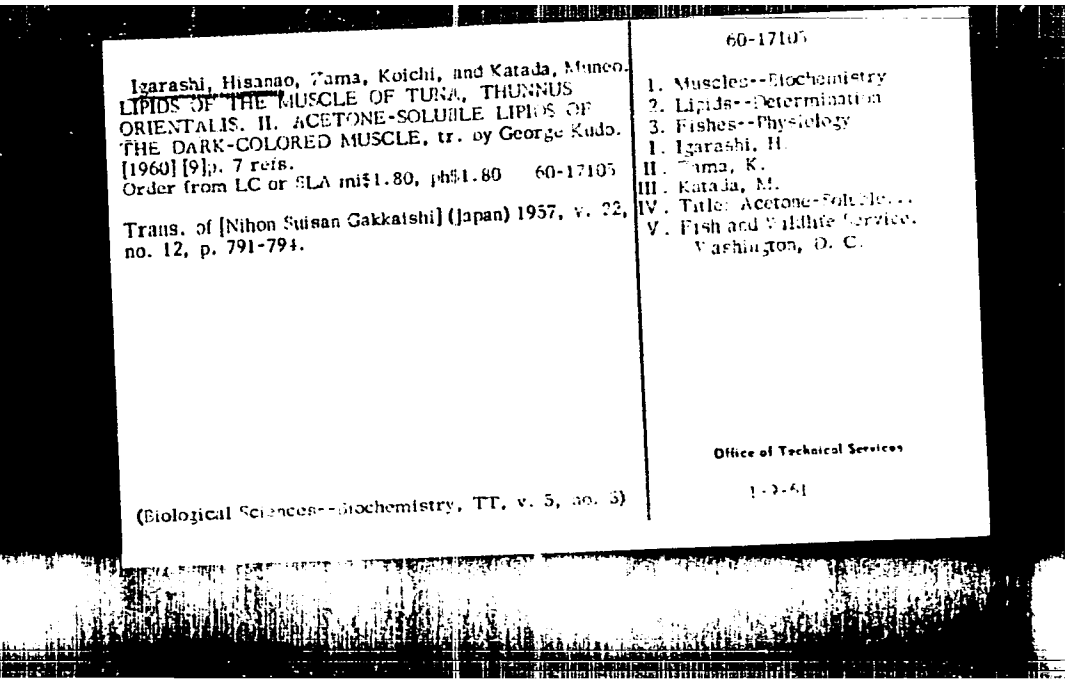

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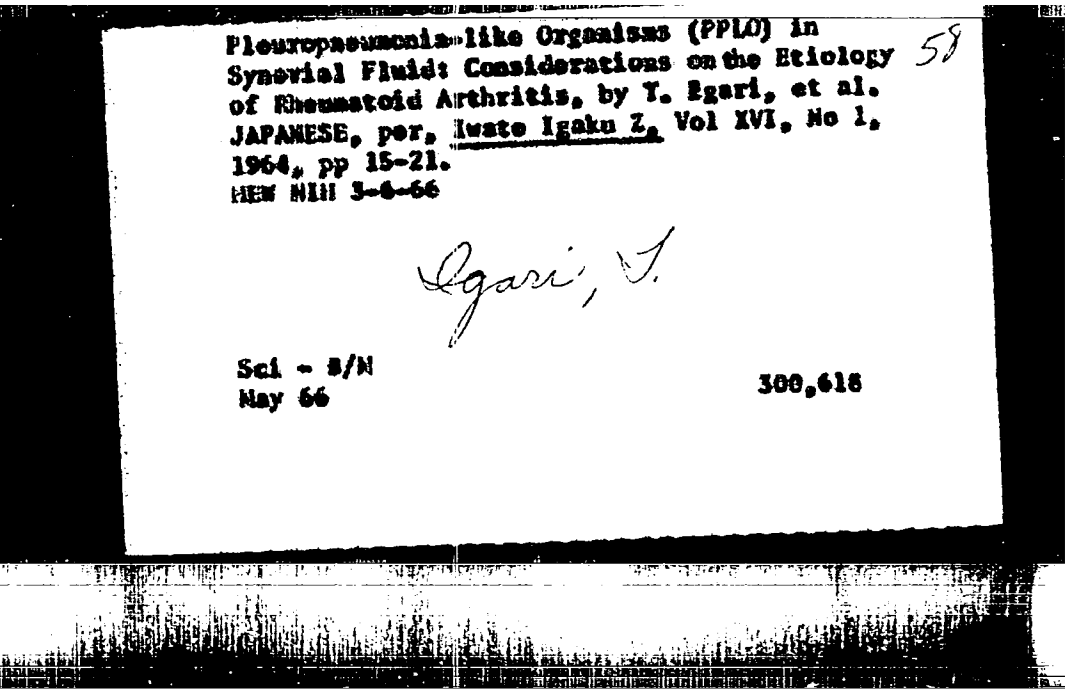

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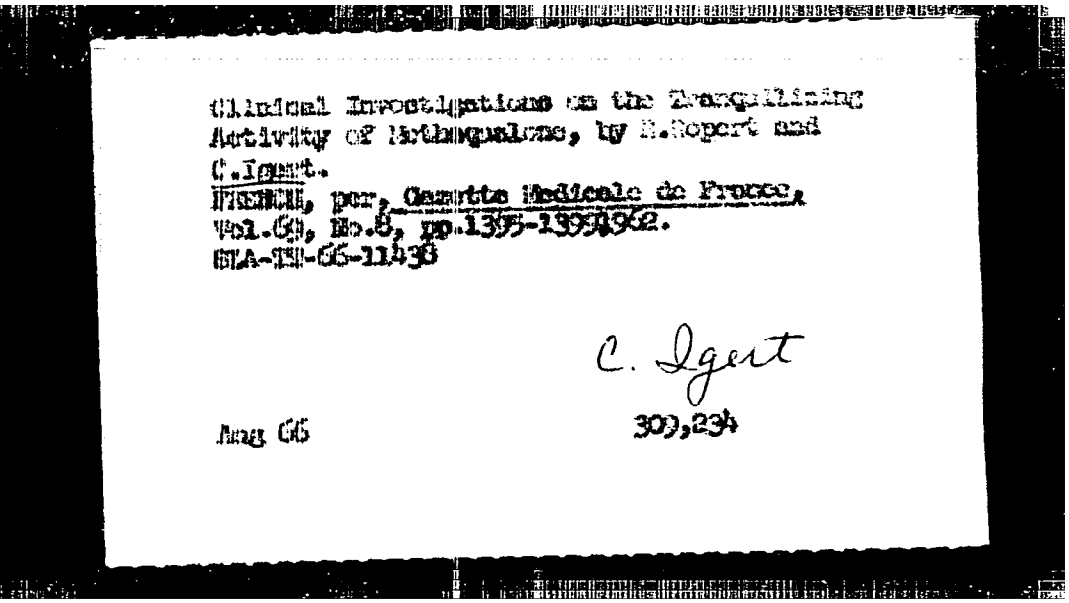

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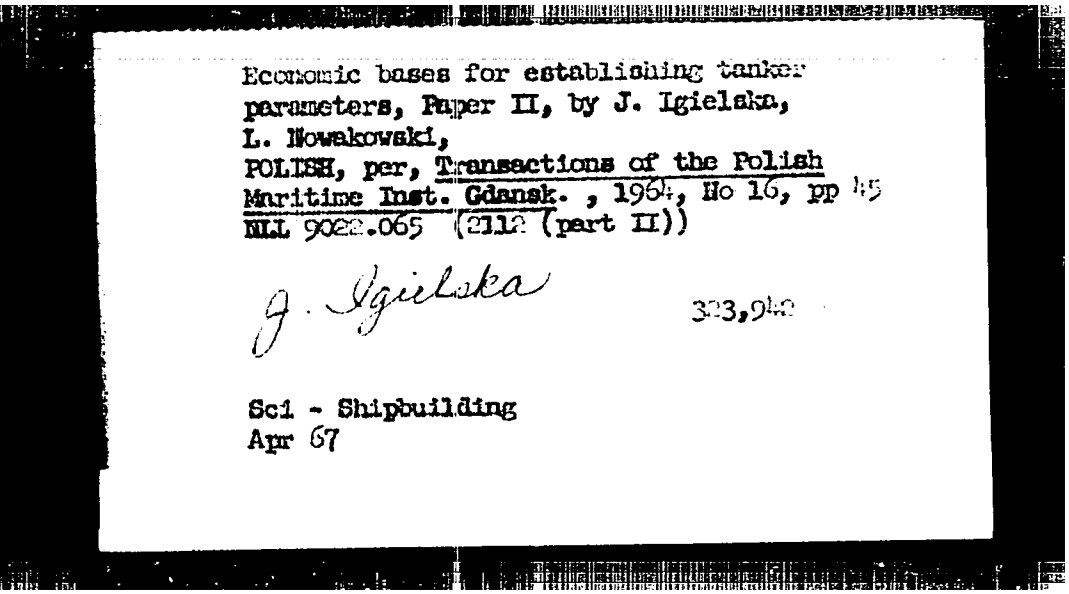

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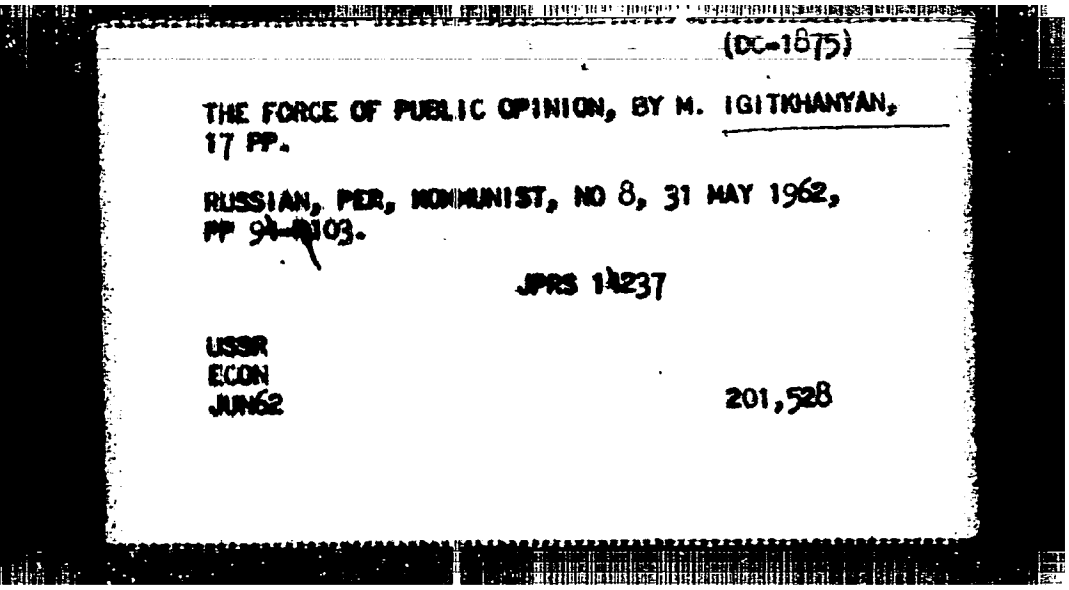

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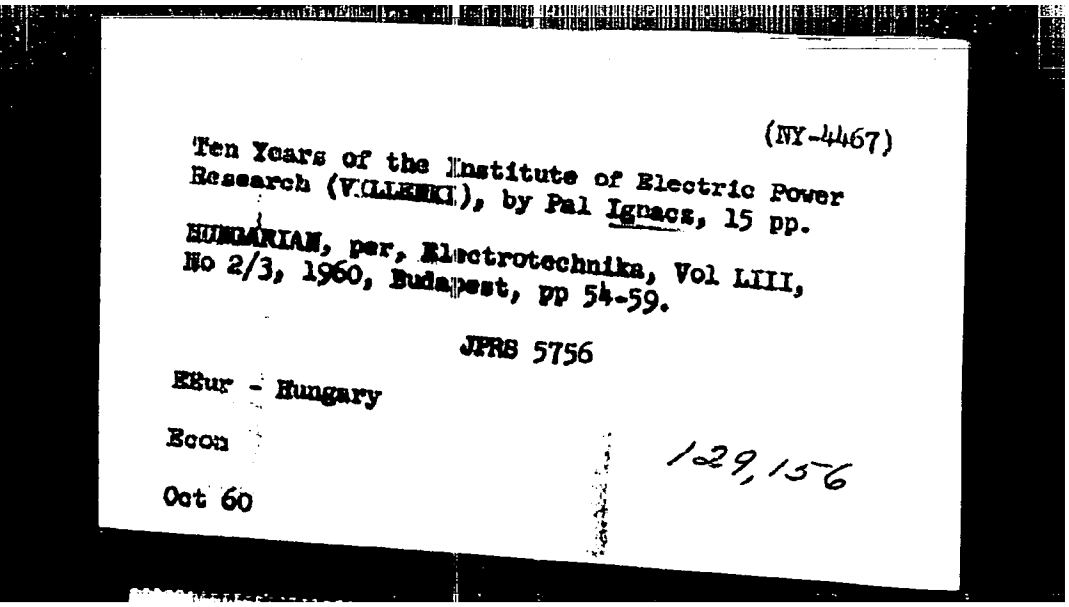

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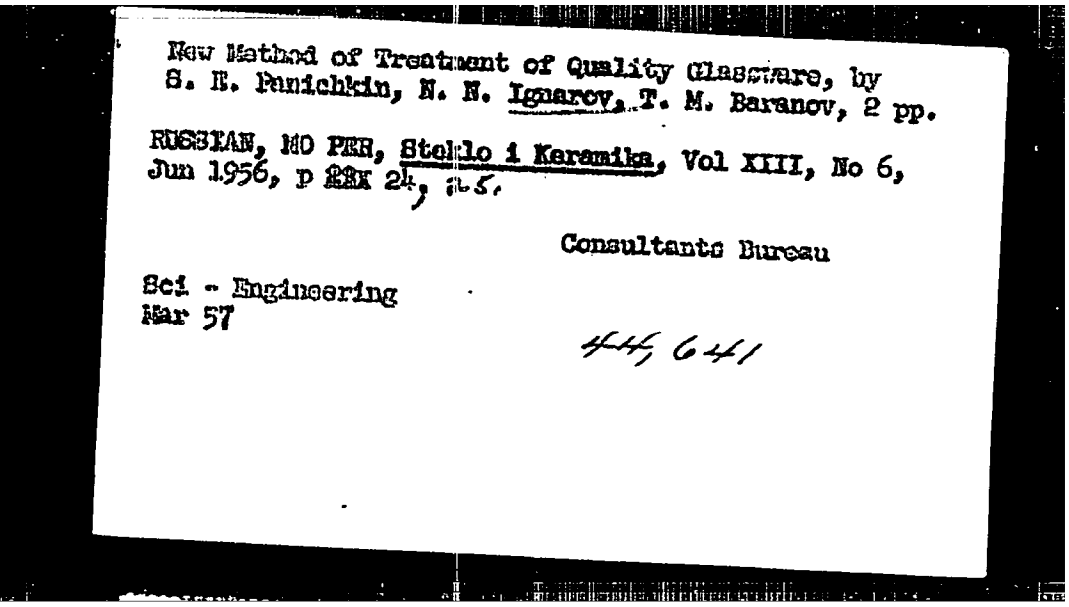

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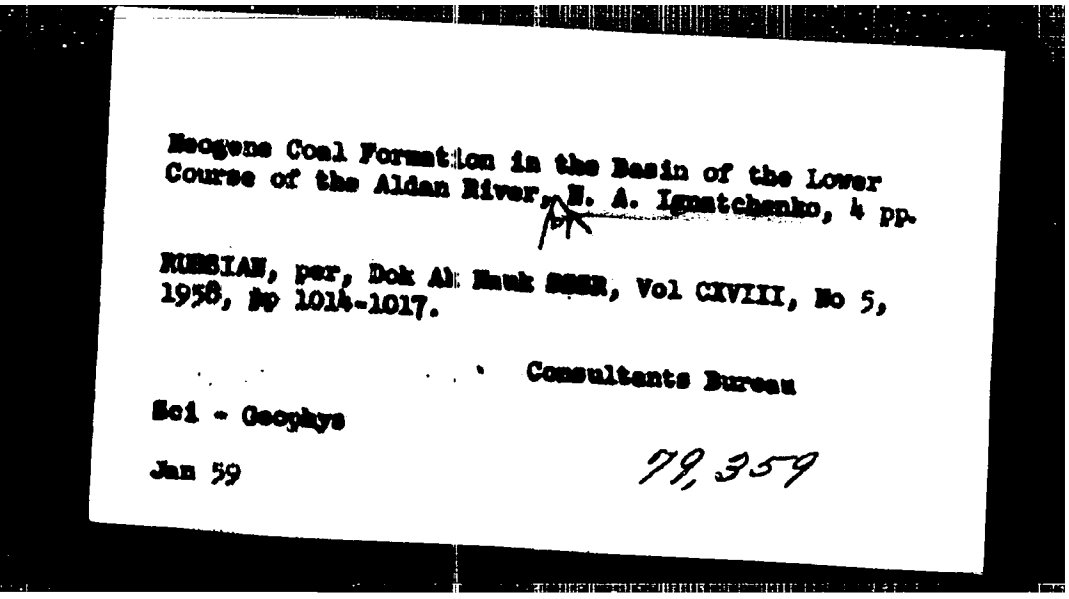

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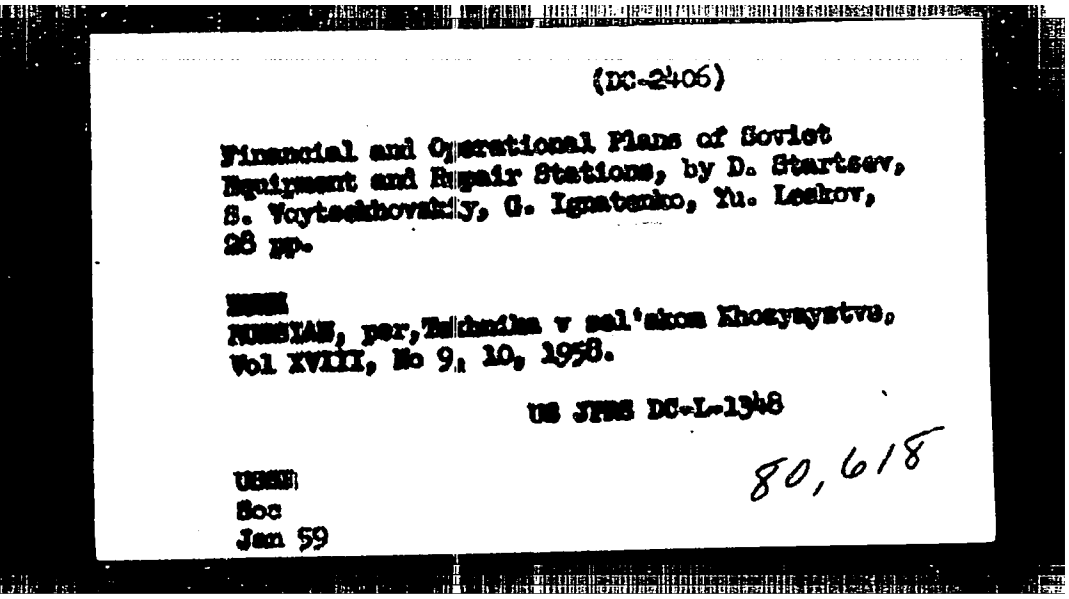

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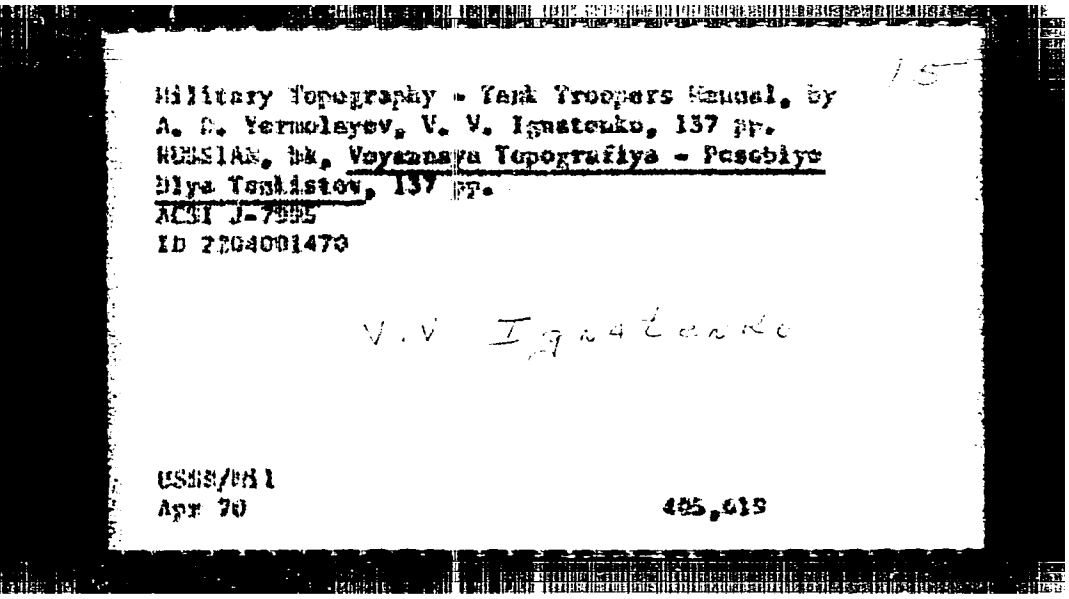

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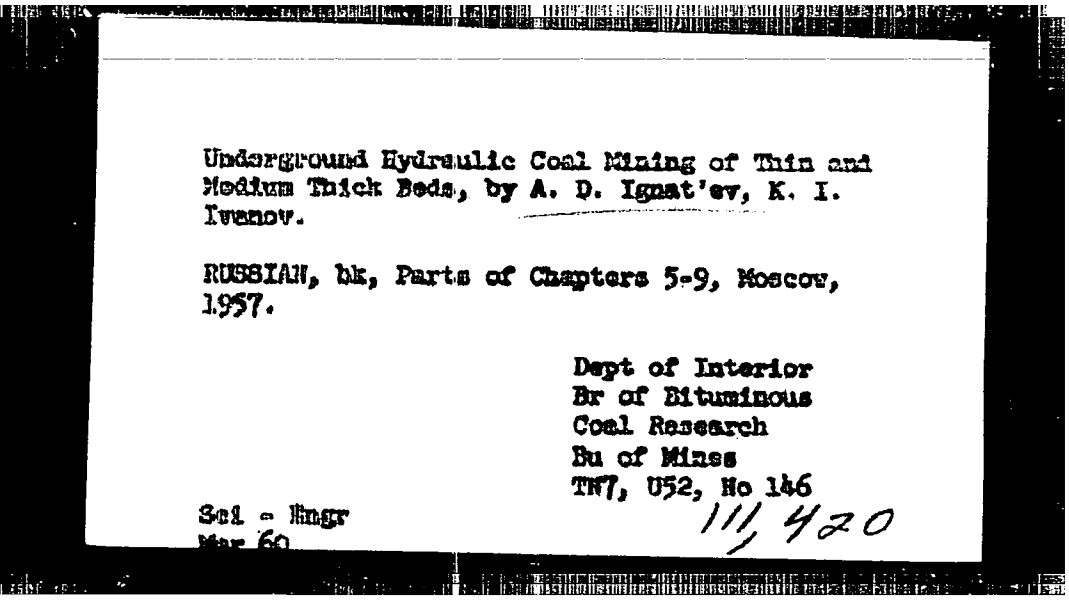

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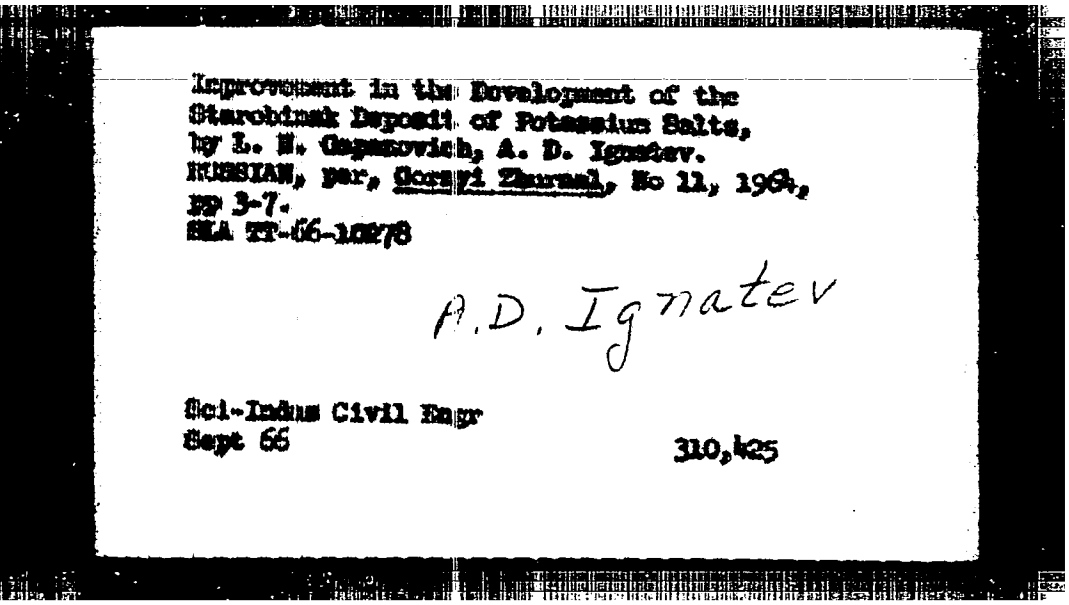

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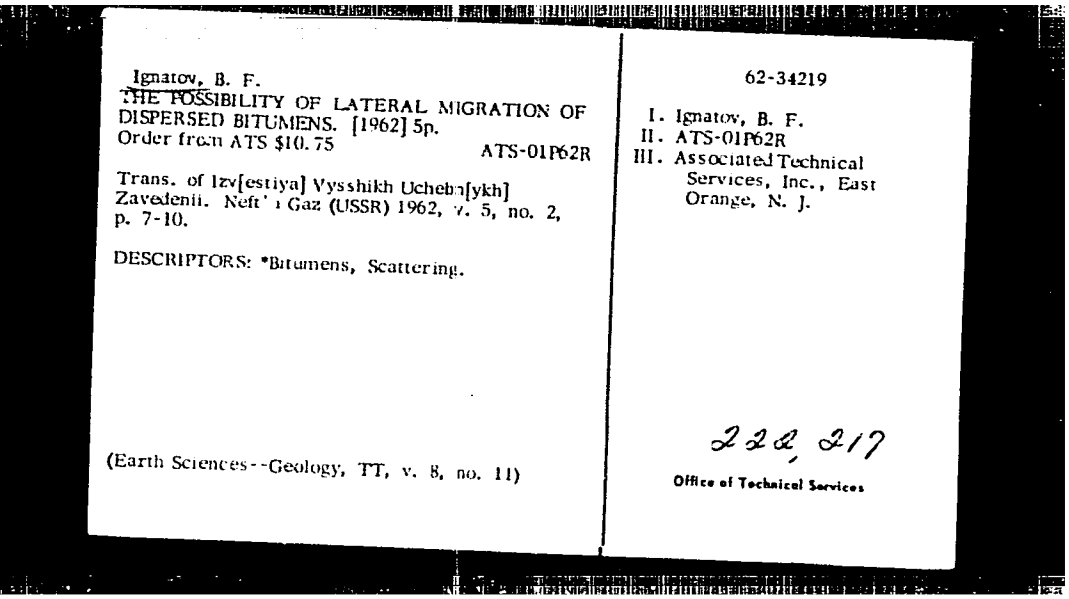

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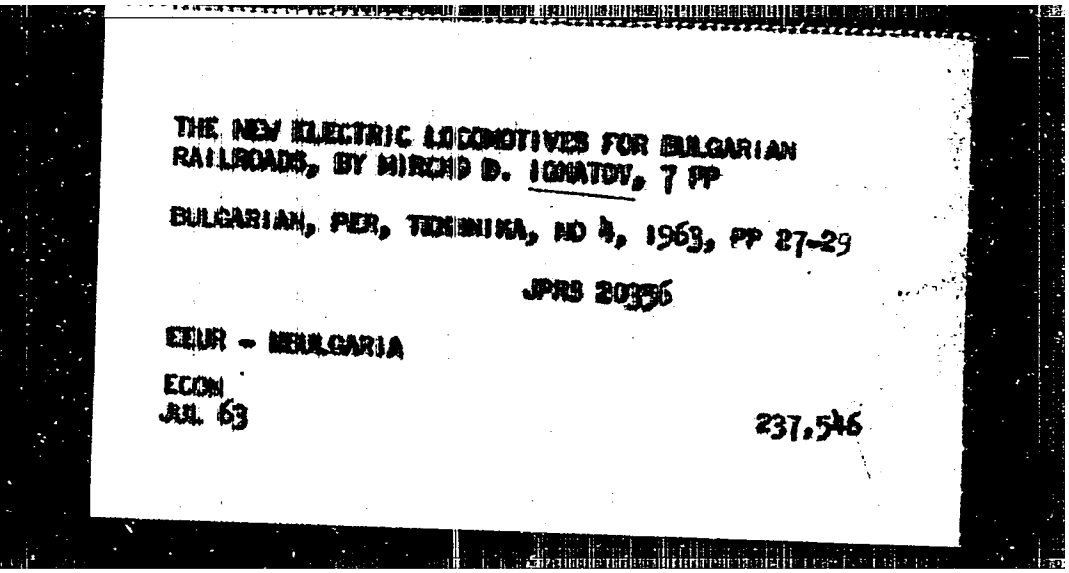

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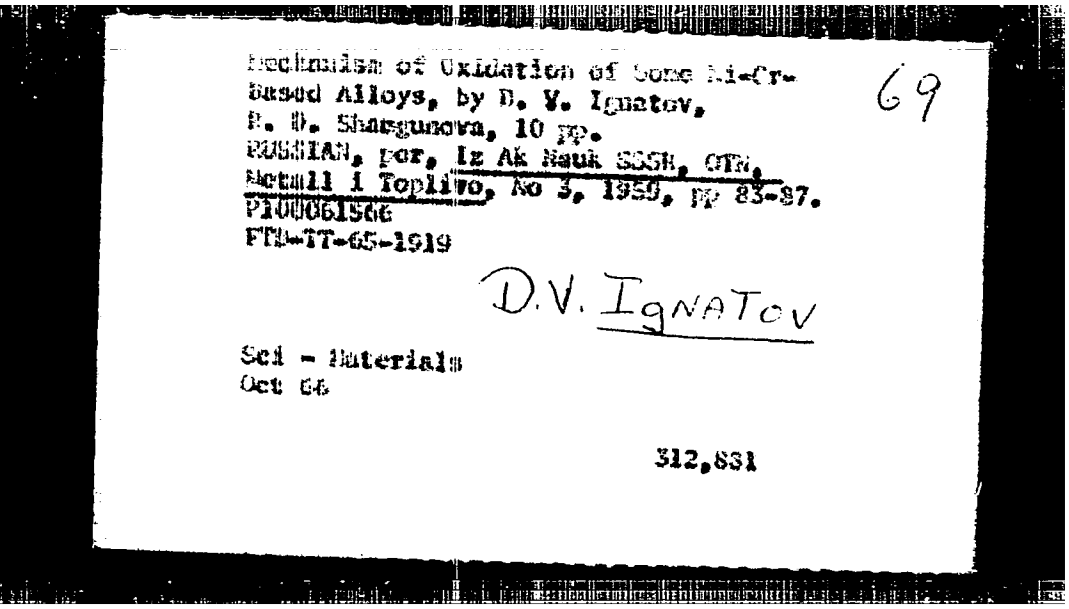

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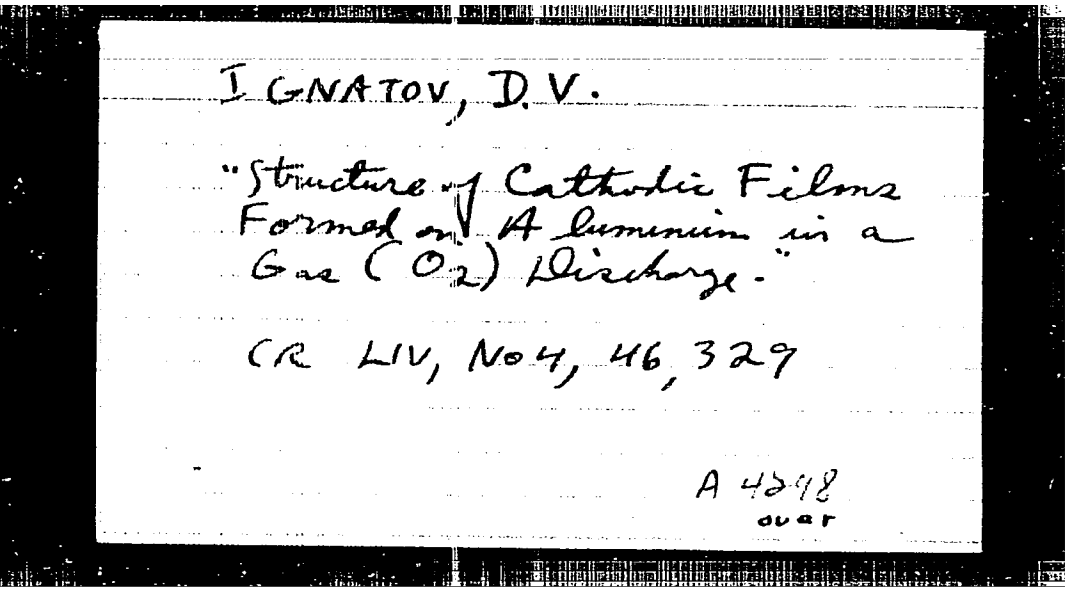

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NASA TT F-59
National Aeronautics and Space Administration.
MECHANISM OF THE OXIDATION OF NICKEL AND CHROMIUM ALLOYS. D. V. Ignatov and R. D. Shamgunova. March 1961. 104p. OTS price, $2.50. (NASA TECHNICAL TRANSLATION F-59. Translation of Russian book, published in Moscow, 1960.)

The principal methods of investigating the oxidation process of metals and alloys in gaseous media at increased and high temperatures (400°-1,050°) are described. The main results of experimental works on the investigation of the oxidation kinetics and on the structure and composition of oxide films are described. Modern theories of the oxidation of metals and alloys are reviewed, and the possibility of using them to explain the oxidation mechanism of Ni-Cr alloys is considered.

Copies obtainable from NASA, Washington

I. Ignatov, D. V.
II. Shamgunova, R. D.
III. NASA TT F-59

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